



## **Technical Bulletin: One-Minute NMR Moving Instructions 10 Dec 2008; DLO at Protasis/MRM**

To move the One-Minute NMR system:

- 1) Shut down the Solvent Conditioner (see separate steps below)
- 2) Close all software on the Tower PC
- 3) Power down the Leap Autosampler
- 4) Shutdown the PC using the PC in the typical fashion a PC is powered down.
- 5) You can decide whether to make the following fluidic disconnections:
  - Tube that connects the Tower pumps to the autosampler at the filter inside the Tower
  - Use the cutoff valves on each Solvent Conditioner channel to the Autosampler Wash Station

You could disconnect the Wash Station solvent supply tubes at either end, but close the cutoff valve. The cutoff valve is closed if the handle is 90 degrees toward the tubing.

As I mentioned, the Leap autosampler can be powered down and picked up and moved nearly as is. After power-down, I recommend moving the z-arm to a resting spot so it does not slip around too much. You may move it gently with your hand.

To disconnect the gas supply for the Solvent Conditioner:

- 1) Loosen both solvent bottles to dissipate the gas pressure in the bottles.
- 2) Open the Solvent Conditioner control program, and set all channels to Standby.
- 3) Close the Solvent Conditioner control program.
- 4) Turn off the gas at the cylinder. Use the cylinder handle and not the regulator.
- 5) Disconnect the gas supply line at the cylinder regulator. The gas in the regulator will dissipate.
- 6) Power off the Solvent Conditioner.
- 7) Tighten the solvent bottles. Keep in mind that the solvent may get wet when stored like this.

To re-connect the gas supply for the Degasser:

- 1) Loosen the solvent bottles.
- 2) Power on the Solvent Conditioner.
- 3) Check that the regulator is adjusted as before. Turn on the gas at the cylinder. Adjust as needed.
- 4) Re-connect the gas supply line at the cylinder regulator.
- 5) Open the Solvent Conditioner control program and set the channels in use to Sparge.
- 6) Tighten the solvent bottles and wait 3 minutes.
- 7) In the Solvent Conditioner control program, set the channels in use to Autoblanet.  
Set to 2 seconds in 60 sec.
- 8) Close the Solvent Conditioner control program.

Be sure the Wash Station solvent supply cut-off valve is open inside the Tower door, and that solvent flows to the Wash Station. You can check this via the Leap controller, by hitting Menu, Clean Syringe, etc.